

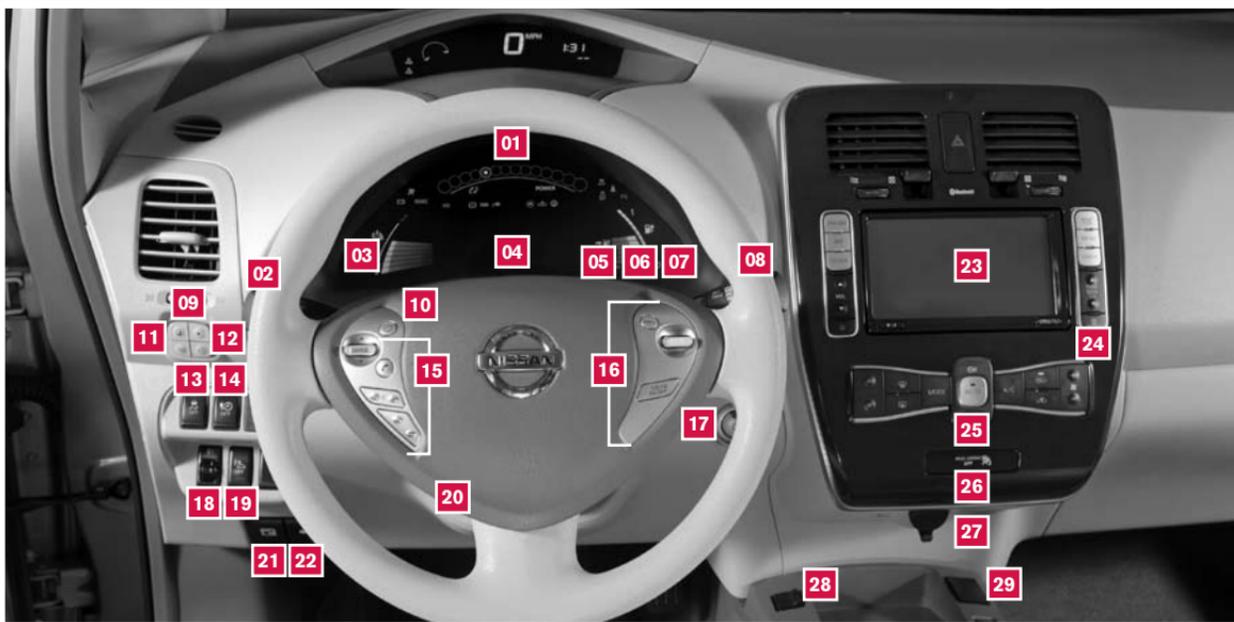


# 2011 LEAF™

QUICK REFERENCE GUIDE



**Zero Emission**



- |   |  |  |   |
|---|--|--|---|
| <b>01</b> POWER METER                           | <b>09</b> TRIP COMPUTER SWITCHES*                        | <b>16</b> CRUISE CONTROL   | <b>23</b> CONTROL PANEL*                        |
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\*See your Owner's Manual for more information.

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- Always wear your seat belt.
- Supplemental air bags do not replace proper seat belt usage.
- Children 12 and under should always ride in the rear seat properly secured in child restraints or seat belts according to their age and weight.
- Do not drink and drive.

For more information, refer to the **“Safety — Seats, seat belts and supplemental restraint system (section 1)”** of your Owner’s Manual.



Additional information about your vehicle is also available in your Owner’s Manual, Navigation System Owner’s Manual, Electronic Quick Reference Guide (EQRG) and at [www.nissanusa.com](http://www.nissanusa.com).



This easy-to-use Quick Reference Guide is intended to help you more fully appreciate some of the unique features and functions of your new vehicle. However, it is not intended to replace your Owner’s Manual. The Owner’s Manual contains more detailed information to help you better understand the important safety warnings, features, operation and maintenance of your vehicle. All information, specifications, photographs and illustrations in this publication are those in effect at the time of printing. NISSAN reserves the right to change specifications or design without notice and without obligation.

# new system features

## REMOTE FUNCTIONS\*

Vehicle telematic capabilities enable you to perform remote functions from a compatible internet enabled smart phone or personal computer such as:

- Battery status - The status of the battery can be checked even if you are not in the vehicle.
- Unplugged status and charging status - A notification e-mail can be sent if the charge connector is not connected when the charging timer is set or if battery charging is stopped halfway.
- Remote charge and remote climate control – Set a time to start battery charging or to turn on your climate controls.

\*Remote functions are only available when the following conditions are met:

- Optional CARWINGS™ subscription service has been established.
- Your vehicle and smart phone are in a compatible cell phone coverage area and your personal computer is connected to the internet.

For more information, refer to the “**Charging (section CH)**” of your Owner’s Manual.

## APPROACHING VEHICLE SOUND FOR PEDESTRIANS (VSP) SYSTEM

- The VSP OFF switch is located to the left of the steering wheel.
- The VSP system helps alert pedestrians to the presence of the vehicle when it is being driven at a low speed.
- When the vehicle starts to move, it produces a sound. The sound stops when the vehicle speed reaches approximately 19 MPH (30 km/h) while accelerating.



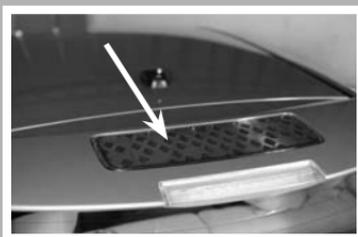
For more information, refer to the “**EV Overview (section EV)**” and the “**Instruments and controls (section 2)**” of your Owner’s Manual.

## SOLAR CELL MODULE (if so equipped)

- The solar cell module helps provide a supplementary charge to the 12-volt battery.

The 12-volt battery supplies power to the audio system, windshield wipers, lights and other low-voltage systems.

For more information, refer to the “**EV Overview (section EV)**” of your Owner’s Manual.



## SHIFT CONTROL SYSTEM

This vehicle is equipped with an electric shift control system, providing smooth and easy shift lever operation.

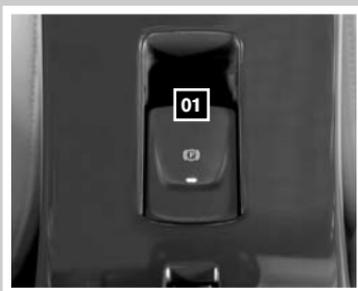
- There are five shift positions for operating the vehicle; P (PARK), R (REVERSE), N (NEUTRAL), D (DRIVE) and ECO.
  - P (PARK) - Activated by pressing the P (PARK) button on the shift lever.
  - D (DRIVE) - For normal driving.
  - ECO - Consumes less power and helps to extend vehicle range.



For more information, refer to the “EV Overview (section EV)” of your Owner’s Manual.

## ELECTRIC PARKING BRAKE

- The parking brake can be applied or released by operating the parking brake switch **01** located on the center console.
- The parking brake is automatically released when all of the following conditions are met:
  - The driver’s seat belt is securely fastened.
  - The shift lever is moved to the D (DRIVE), ECO or R (REVERSE) position.
  - The accelerator pedal is depressed.



## HILL START

- With the driver’s seat belt securely fastened and the shift lever in the D (DRIVE) or ECO position, the vehicle’s parking brake can be applied to hold the vehicle from rolling on a hill.
- The electric parking brake will automatically release when the accelerator pedal is gradually depressed.

For more information, refer to the “EV Overview (section EV)” and the “Starting and driving (section 5)” of your Owner’s Manual.

# essential information

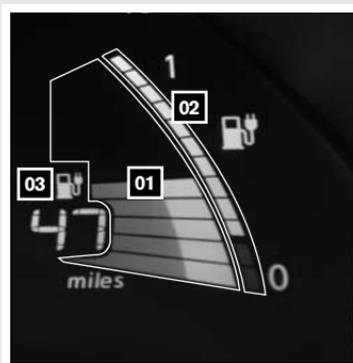
## LI-ION BATTERY LIFE

- If the vehicle is parked for a long period of time, the Li-ion battery will gradually discharge.
- To keep the Li-ion battery in good condition, charge the battery once every 3 months using the long life mode charging method.
- If the Li-ion battery becomes fully discharged and the EV system will not activate even with a jump-start to the 12-volt battery, contact a NISSAN certified LEAF dealer.

For more information, refer to the **“Charging (section CH)”** of your Owner’s Manual.

## LI-ION BATTERY GAUGES

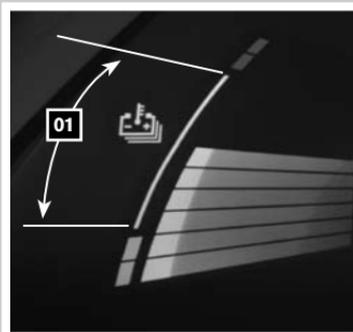
- The Li-ion Battery Available Charge Gauge **01** displays the approximate available Li-ion battery power remaining to drive the vehicle.
- The Li-ion Battery Capacity Level Gauge **02** indicates the amount of charge the Li-ion battery is capable of storing.
- Recharge the Li-ion battery before these levels reach the bottom line.
- The low battery charge warning light **03** will illuminate when the available charge remaining is getting low. Recharge as soon as it is convenient.
- Do not fully deplete the Li-ion battery while driving, doing so may result in damage to the battery.



For more information, refer to the **“Instruments and controls (section 2)”** of your Owner’s Manual.

## LI-ION BATTERY TEMPERATURE GAUGE

- The temperature of the Li-ion battery is in the normal range **01** when the display is within this zone.
- The temperature of the Li-ion battery varies with outside air temperature, road surface temperature and driving conditions.
- To protect the battery, power is reduced when the temperature of the battery is too high or low. This does not indicate a malfunction.



For more information, refer to the **“EV Overview (section EV)”** of your Owner’s Manual.

## POWER LIMITATION INDICATOR LIGHT

- When the power limitation indicator light illuminates, power provided to the traction motor is reduced.
- This light illuminates in the following conditions:
  - when the battery is close to empty
  - the battery temperature has reached its upper or lower limits
  - or when a malfunction has occurred in the EV system.
- If the power limitation indicator light is illuminated, charge the Li-ion battery as soon as possible.



For more information, refer to the “**EV Overview (section EV)**” of your Owner’s Manual.

## TIRE PRESSURE MONITORING SYSTEM (TPMS)

- A CHECK TIRE PRESSURE warning message will appear in the dot matrix liquid crystal display **01** and the TPMS light will illuminate when one or more tires are low on pressure and air is needed.
- After tire pressures are adjusted, drive the vehicle at speeds above 16 MPH (25km/h) and the warning and indicator light will disappear.
- When the low tire pressure warning light flashes for approximately 1 minute and then remains on, the TPMS is not functioning properly. Have the system checked by a NISSAN certified LEAF dealer.
- Tire pressure rises and falls depending on the heat caused by the vehicle’s operation and the outside temperature. Low outside temperature can lower the temperature of the air inside the tire, which can cause a lower tire inflation pressure. This may cause the low tire pressure warning light to illuminate. If the warning light illuminates in low ambient temperature, check the tire pressure in all four tires.



For more information, refer to the “**Instruments and controls (section 2)**” and the “**Starting and driving (section 5)**” of your Owner’s Manual.

# first drive features

## NISSAN INTELLIGENT KEY™ SYSTEM

The NISSAN Intelligent Key™ System allows you to lock or unlock your vehicle, open the rear hatch and start your vehicle.

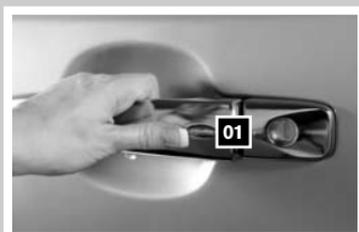
- To lock or unlock a door, push any door handle request switch **01** once.



- Push any door handle request switch **01** within 1 minute of unlocking the door and all other doors will unlock.

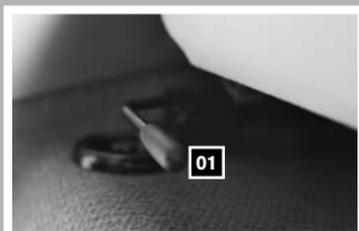
NOTE: It is important to make sure the Intelligent Key is with you (that is, in your pocket or purse).

For more information, refer to the “**Pre-driving checks and adjustments (section 3)**” of your Owner’s Manual.



## SEAT ADJUSTMENTS

- Pull up on the lever **01** under the front of the seat and slide forward or backward. Release the lever to lock the seat in position.
- Pull up on the lever **02** and lean back to recline the seatback. To bring the seatback forward, pull the lever up and lean your body forward. Release the lever to lock the seatback in position.



SEAT LIFTER (driver’s seat only)

- Turn the dial **03** to adjust the seat height to the preferred position.



For more information, refer to the “**Safety – Seats, seat belts and supplemental restraint system (section 1)**” of your Owner’s Manual.

## OUTSIDE MIRROR CONTROL SWITCH

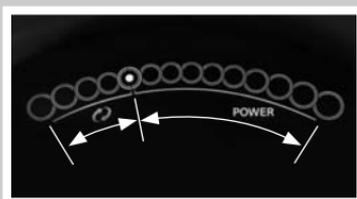
- Turn the control switch **01** right or left to select the right or left side mirror.
- Move the control switch up, down, right or left to adjust the mirror angle.

For more information, refer to the “**Pre-driving checks and adjustments (section 3)**” of your Owner’s Manual.



## POWER METER

- The Power Meter displays the traction motor power consumption and the regenerative power supplied to the Li-ion battery.
- When the battery is charged, power is generated by the regenerative brake system and the central dot moves to the left.
- When the battery discharges and power is provided to the motor the central dot moves to the right.
- The number of circles will increase or decrease depending on Li-ion battery conditions (motor output is limited if the Li-ion battery temperature is too high or too low or the Li-ion battery level is low).



For more information, refer to the “**Instruments and controls (section 2)**” of your Owner’s Manual.

## ELECTRIC VEHICLE (EV) SYSTEM WARNING LIGHT

- The warning light will illuminate if there is a malfunction in the following systems:
  - Traction motor and inverter system
  - Charge port or on-board charger
  - Li-ion battery system
  - Cooling system
  - Shift control system
  - Emergency shut off system is activated.
- If the warning light illuminates, contact a NISSAN certified LEAF dealer.



For more information, refer to the “**Instruments and controls (section 2)**” of your Owner’s Manual.

# first drive features

## STARTING/STOPPING THE ELECTRIC VEHICLE (EV) SYSTEM

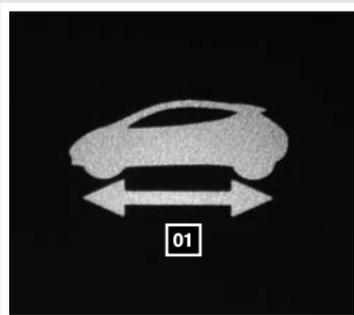
- Confirm the parking brake is applied and the vehicle is in the P (PARK) position.
- Depress the brake pedal.
- Push the power switch to start the EV system.
- Check that the READY to drive indicator light **01** illuminates and the start up sound is audible.
- Check the Li-ion battery level and the estimated driving range shown on the meter.

NOTE: It is important to make sure the NISSAN Intelligent Key™ is with you (that is, in your pocket or purse).



### TURNING THE EV SYSTEM OFF

- Press the P (PARK) button on the shift lever to place it in the P (PARK) position.
- Apply the parking brake.
- Push the power switch to the OFF position.



### EMERGENCY SYSTEM SHUT OFF

To shut off the vehicle in an emergency situation while driving, perform the following procedure:

- Rapidly push the power switch 3 consecutive times.
- Push and hold the power switch for more than 2 seconds.

For more information, refer to the “Starting and driving (section 5)” of your Owner’s Manual.

## HEADLIGHT CONTROL SWITCH

- Turn the headlight control switch **01** to the  position to turn on the front parking, side marker, tail, license plate and instrument panel lights.
- Turn the switch **01** to the  position to turn on the headlights.

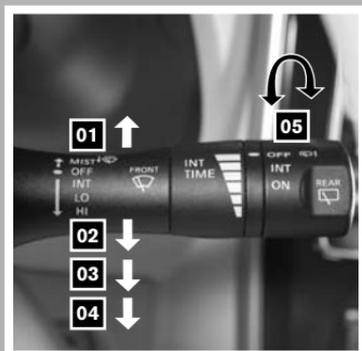
For more information, refer to the “Instruments and controls (section 2)” of your Owner’s Manual.



## WINDSHIELD WIPER SWITCH

Move the lever to the following positions to operate the windshield wipers:

- 01** Mist (**MIST**) - One sweep operation of the front wipers.
- 02** Intermittent (**INT**) - Front wipers operate intermittently.
- 03** Low (**LO**) - Front wipers operate at a continuous low-speed.
- 04** High (**HI**) - Front wipers operate at a continuous high-speed.
- 05** Rear Wiper (**REAR**) - Twist the end of the lever to operate the first (**INT**) or second (**ON**) speed settings for the rear wiper.



For more information, refer to the “**Instruments and controls (section 2)**” of your Owner’s Manual.



## AUTOMATIC CLIMATE CONTROLS

### **01** ON-OFF BUTTON

- Press the **ON-OFF** button to turn the climate control system on or off.

### **02** FAN SPEED CONTROL BUTTON

- Press the fan speed control button to manually adjust the fan speed up or down.

### **03** TEMPERATURE CONTROL BUTTON

- Press the temperature control button up ▲ for warmer air or down ▼ for cooler air.

### **04** A/C-HEATER TIMER (CLIMATE CONTROL TIMER) INDICATOR LIGHT

- This indicator light will illuminate when the A/C-Heater Timer has been set to operate at the time of day and date specified.

### **05** AUTO BUTTON

- Press the **AUTO** button and the fan speed, air flow distribution and temperature will be automatically maintained.

For more information, refer to the “**Ventilators and climate control systems (section 4)**” of your Owner’s Manual.

# first drive features



## FM/AM/XM<sup>®\*</sup> RADIO WITH CD PLAYER

### 01 POWER BUTTON

- Press the  button to turn the audio system on or off.

### 02 VOLUME BUTTON

- Press the volume control button up  to increase or down  to decrease the volume.

### 03 TUNE/SEEK/CH BUTTON

- To manually tune the radio, press the **TUNE/SEEK/CH** button up  or down .

### 04 ZERO EMISSION BUTTON

- Press the **ZERO EMISSION** button to display a menu screen where several electric vehicle driving functions can be set.

### 05 OPEN/TILT BUTTON

- Press the **OPEN/TILT** button to open the monitor and insert a CD into the slot with the label side facing up.

\*XM<sup>®</sup> Satellite Radio is only available on vehicles equipped with optional XM<sup>®</sup> satellite subscription service.

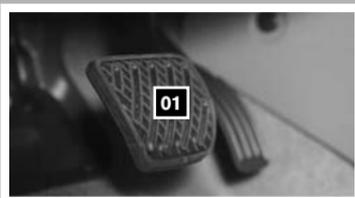
For more information, refer to the “**Getting started (section 1)**” and “**Audio system (section 4)**” of your Navigation System Owner’s Manual.

## ELECTRIC PARKING BRAKE

The electric parking brake switch is located on the center console.

- To apply, firmly depress the foot brake pedal **01** , then pull the electric parking brake switch **02** up.
- To release, firmly depress the foot brake pedal **01** , then push the electric parking brake switch **02** down.

For more information, refer to the **"Starting and driving (section 5)"** of your Owner's Manual.



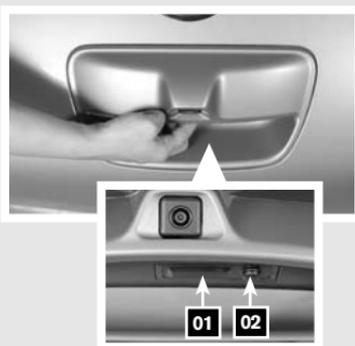
## REAR HATCH RELEASE

To open the rear hatch, unlock it and push the rear hatch opener switch **01** . Pull the rear hatch up to open.

The rear hatch can be unlocked by:

- Pressing the **01** button on the NISSAN Intelligent Key™ twice.
- Pushing the rear hatch request switch **02** while carrying the Intelligent Key with you.
- Pushing the door handle request switch twice.
- Pushing the power door lock switch to the **01** position.

For more information, refer to the **"Pre-driving checks and adjustments (section 3)"** of your Owner's Manual.



# first drive features

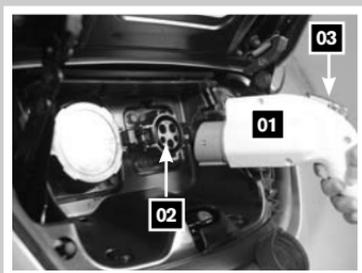
## LI-ION BATTERY CHARGING

NOTE: Before charging the Li-ion battery, refer to your Owner's Manual for detailed warnings and cautions when charging your battery.

- There are three methods available to perform the charge operation; normal charge, trickle charge and quick charge (if so equipped).

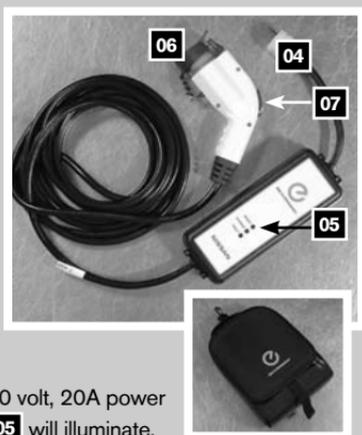
### NORMAL CHARGE

- Perform a normal charge using the charger installed in your home.
- It takes approximately 7 hours to charge the Li-ion battery from empty to full.
- To charge your vehicle:
  - Turn the power switch off.
  - Pull the charge port lid opener handle located below the instrument panel to the left of the steering wheel.
  - Press the charge port tab and open the cap.
  - Connect the charge connector **01** to the charge port **02**. When connected correctly, a beep will sound once.
- To stop charging:
  - Press the button **03** on the charge connector to release the lock and remove the charge connector from the charge port.
  - Close the charge port cap and the charge port lid.



### TRICKLE CHARGE

- Perform a trickle charge by connecting the Electric Vehicle Supply Equipment (EVSE) supplied with your vehicle to a dedicated 110-120 volt, 20A power outlet.
- It takes approximately 21 hours to charge the Li-ion battery from empty to full.
- To charge your vehicle:
  - Turn the power switch off.
  - Pull the charge port lid opener handle located below the instrument panel to the left of the steering wheel.
  - Press the charge port tab and open the cap.
  - Connect the EVSE plug **04** to a dedicated 110-120 volt, 20A power outlet. The EVSE control box's green indicator light **05** will illuminate.
  - Connect the charge connector **06** to the charge port **02**. A beep will sound once.



■ To stop charging:

- Press the button **07** on the charge connector to release the lock and remove the charge connector from the charge port.
- Close the charge port cap and the charge port lid.
- Remove the EVSE plug from the power outlet, attach the safety cap to the charge connector and store in the case.

**QUICK CHARGE (if so equipped)**

- Perform a quick charge by connecting the charge connector of a quick charger at a charge station to the vehicle.
- It takes approximately 30 minutes to charge the Li-ion battery when the low battery charge warning light turns ON.
- To charge your vehicle:



- Turn the power switch off.
  - Open the charge port lid **08** , then insert and lock the charge connector.
  - Follow the instructions on the quick charge equipment to start charging. When the equipment is properly installed and ready to charge a beep sounds twice and the charging status indicator light will change.
- To stop charging:
- Unlock the charge connector and remove it from the vehicle.
  - After closing the charge port cap, close the charge port lid.

For more information, refer to the “EV Overview (section EV)” and the “Charging (section CH)” of your Owner’s Manual.

# system guide

## CRUISE CONTROL

- The cruise control system enables you to set a constant cruising speed.
- The system will automatically maintain the set speed until you tap the brake pedal, accelerate, cancel or turn the system off.

For more information, refer to the **“Starting and driving (section 5)”** of your Owner’s Manual.



## BLUETOOTH® HANDS-FREE PHONE SYSTEM

- With an overhead microphone and sound transmitted through the audio system speakers, the Bluetooth® Hands-free Phone System utilizes Bluetooth wireless technology and voice recognition to provide hands-free cellular phone communication.

For more information, refer to the **“Bluetooth® Hands-Free Phone System (section 7)”** of your Navigation System Owner’s Manual or please visit [www.nissanusa.com/bluetooth](http://www.nissanusa.com/bluetooth).



## NAVIGATION SYSTEM

- Your Navigation System can calculate a route from the current location to a preferred destination. The real-time map display and turn-by-turn voice guidance will lead you along the route.
- The Navigation System will continually update your vehicle’s position. If you have deviated from the original route, it will recalculate the route from your current location.
- The Navigation System can also provide you with important data, such as; driving range, energy economy, charging station locations and maintenance interval reminders.

For more information, refer to your Navigation System Owner’s Manual.



## **HOMELINK® UNIVERSAL TRANSCEIVER (if so equipped)**

- The HomeLink® system can learn and consolidate the functions of up to three different hand-held transmitters, operating items such as; garage doors, property gates, outdoor and indoor lights or alarm systems.

For more information, refer to the **“Instruments and controls (section 2)”** of your Owner’s Manual, the HomeLink® website at [www.homelink.com](http://www.homelink.com) or call 1-800-355-3515.

memo





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